

BRUsens DAS 3.2 mm AC1 FIMT

3_50_4_002

Fiber optic acoustic sensing cable, extra small, with stainless steel central metal tube with one optical fiber, metal tube as strength member and PA outer sheath, good acoustic response.

Description

- Compact design, high flexibility, small bending radius
- Loose tube, central, metal, gel filled, with up to 2 fibers, hermetically sealed, optimized fiber excess length
- Outer sheath halogen free
- Outer sheath, robust, abrasion resistant, with special acoustic interlocking system, PA
- High chemical resistance
- Good rodent protection
- Laterally watertight
- Good tensile strength and crush resistance
- Good acoustic sensitivity
- Good acoustic coupling

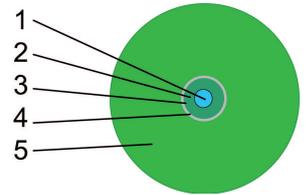
Application

- Acoustic
- Rayleigh scattering, Raman, Brillouin
- Outdoors, harsh environment
- Direct burial in soil, attached to structures or in conduits

Remarks

- For improved UV resistance, black cable sheath available upon request
- Other cable designs available
- Accessories such as mounting brackets, loops, fan-outs, splice enclosures, connectors, patch-panels, repair kits etc. are available
- Deployment training upon request
- Standard fiber color code: 1 red, 2 green
- Standard cable marking with meter marks, special labeling of outer sheath upon request

LLK-BSAC 3.2 mm AC1



Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Installation Max. tensile strength N	Operation Max. tensile strength N
1F	1	3.2	10.5	350	150

Type	with tensile load Min. bending radius mm	without tensile load Min. bending radius mm	Max. crush resistance N/cm
1F	64 (20xD)	48 (15xD)	250

Optical fiber data (cabled) at 20°C

Fiber Type	Attenuation dB/km 850 nm	Attenuation dB/km 1300 / 1310 nm	Attenuation dB/km 1550 nm	Modal Bandwidth MHz x km 850 nm	Modal Bandwidth MHz x km 1300 nm
SMF	NA	≤0.4	≤0.25	NA	NA

Subject to change without notice

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